

Jay Dee Cleaners
PTI Application No. 02-12599
October 30, 1998

Additional Terms and Conditions

NESHAP control equipment requirements for dry cleaning systems

1. The exhaust from each dry cleaning machine shall be vented through a refrigerated condenser or an equivalent control device.

Operational restrictions

1. The permittee shall drain all cartridge filters in their housing, or other sealed container, for a minimum of 24 hours, or shall treat such filters in an equivalent manner, before removal from the dry cleaning facility.
2. The permittee shall store all perchloroethylene and wastes that contain perchloroethylene in solvent tanks or solvent containers with no perceptible leaks.
3. The door of each dry cleaning machine shall be closed at all times except to transfer articles to and from the machine.
4. The dry cleaning machine shall be operated and maintained according to manufacturer's specifications and recommendations.
5. The outlet gas-vapor stream temperature of the condenser shall be a maximum of 45 degrees Fahrenheit.
6. Perchloroethylene shall not be vented or released to the atmosphere while the dry cleaning machine drum is rotating.
7. The machine shall be operated with a diverter valve to prevent air drawn into the dry cleaning machine (when the machine door is open) from passing through the refrigerated condenser.

NESHAP monitoring requirements

1. A leak detection and repair program to inspect all dry cleaning equipment for leaks that are obvious from sight, smell, or touch shall be conducted. Pursuant to OAC rule 3745-21-09(AA)(1)(e), any equipment found to be leaking perchloroethylene liquid or vapor is not to be operated until the leak is repaired. Leaks are to be repaired within 24 hours after being found, or repair parts shall be installed within 5 working days after they are received. In accordance with 40 CFR Subpart M, compliance with this

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requirement shall be determined through biweekly visual inspection of the following components while the dry cleaning system is operating:

- a. hose and pipe connections, fittings, coupling and valves;
 - b. machine door gaskets and seatings;
 - c. filter gaskets and seatings;
 - d. pumps;
 - e. solvent tanks and containers;
 - f. water separators;
 - g. filter sludge recovery;
 - h. distillation valves;
 - i. diverter valves;
 - j. saturated lint from the lint basket;
 - k. cartridge filters and housings;
 - l. muck cookers;
 - m. stills; and
 - n. exhaust dampers.
2. The temperature of the air-perchloroethylene gas-vapor stream on the outlet side of the refrigerated condenser shall be measured weekly with a temperature sensor. The temperature sensor shall be used according to the manufacturer's instructions and shall be designed to measure a temperature of 45 degrees Fahrenheit to an accuracy of plus or minus 2 degrees Fahrenheit. If the outlet temperature is higher than 45 degrees Fahrenheit, adjustments or repairs shall be made to meet that value. Repair parts shall be ordered within 2 working days after detecting a violation that needs repair parts. Repair parts shall be installed within 5 working days after they are received.

Recordkeeping requirements (for all sources)

1. The following records shall be kept on site in a log for a period of not less than 5 years, and shall be made available upon request:
 - i. Receipts of all perchloroethylene purchases.
 - ii. The volume of perchloroethylene purchased each month as recorded from perchloroethylene purchases. If no perchloroethylene is purchased during a given month, then the entry into the log shall be zero gallons.
 - iii. The calculation and result of the yearly perchloroethylene consumption (12-month rolling

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- summation), to be determined on the first day of each month.
- iv. The results of all visual inspections, including the dates when the dry cleaning system components are inspected for leaks and the name or location of dry cleaning system components where leaks are detected.
 - v. The dates of repair and records of written or verbal orders for repair parts.
 - vi. The results and dates of all equipment monitoring required by this permit.
2. The following records shall be kept for a period of not less than three years:
- i. Control equipment maintenance.
 - ii. The amount of fabric dry cleaned with perchloroethylene, from January 1 to December 31 of each year, in pounds.
3. A copy of the design specifications and the operating manuals for each dry-cleaning system and each emission control device located at the dry cleaning facility shall be retained on site and be made available upon request.

NESHAP reporting requirements - area source exceedance report

If the yearly perchloroethylene solvent consumption limit listed in the miscellaneous requirements section of this permit is exceeded by the rolling annual perchloroethylene consumption calculation required by the recordkeeping requirements section of this permit, then the permittee shall submit a signed statement as required by 40 CFR 63.324(c).

Miscellaneous Requirements for facilities with only dry-to-dry machines or both dry-to-dry and transfer machines and which use less than 140 gallons of perchloroethylene per year

If the total yearly consumption of perchloroethylene exceeds 1800 gallons per year, this facility becomes a major source and must comply with the requirements for a major source per 40 CFR 63, Subpart M, within 180 days of the exceedance determination.

Miscellaneous Requirements (for all facilities)

The yearly perchloroethylene solvent consumption limit based on

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the yearly solvent consumption calculated according to 40 CFR
63.323(d) is 139 gallons.